



1
00:00:19,590 --> 00:00:17,590
what is going on is that some people in

2
00:00:21,189 --> 00:00:19,600
lab jackets and they're actually behind

3
00:00:22,710 --> 00:00:21,199
us here right and they're actually not

4
00:00:24,150 --> 00:00:22,720
just they're not dressed up like that

5
00:00:25,990 --> 00:00:24,160
and either you for the camera is

6
00:00:27,509 --> 00:00:26,000
actually like a lab isn't it yes it is

7
00:00:29,429 --> 00:00:27,519
so what's going on here mixing stuff

8
00:00:31,990 --> 00:00:29,439
what are they mixing up today we are

9
00:00:37,430 --> 00:00:32,000
making a mixture of vomit what

10
00:00:41,350 --> 00:00:38,709
josh you gotta give him a warning to get

11
00:00:42,790 --> 00:00:41,360
there uh to get a baggy close by do not

12
00:00:44,950 --> 00:00:42,800
watch this without the appropriate

13
00:00:47,270 --> 00:00:44,960

equipment this is the space program why

14
00:00:49,029 --> 00:00:47,280
do we need vomit go ahead mickey so what

15
00:00:51,830 --> 00:00:49,039
we're doing uh next month is we're doing

16
00:00:53,189 --> 00:00:51,840
a test on a trash bag and we need to put

17
00:00:54,950 --> 00:00:53,199
all the trash that you might have on a

18
00:00:57,350 --> 00:00:54,960
space mission in that trash bag so that

19
00:00:58,869 --> 00:00:57,360
includes potentially vomit as well as

20
00:01:00,950 --> 00:00:58,879
diapers filled with urine and fecal

21
00:01:02,150 --> 00:01:00,960
matter as well as food trash

22
00:01:03,910 --> 00:01:02,160
that's what we're doing today it does

23
00:01:05,270 --> 00:01:03,920
sound like it sounds like a baby place

24
00:01:06,789 --> 00:01:05,280
yeah so yeah we're doing the day like

25
00:01:08,710 --> 00:01:06,799
bobby said is coming up with the recipe

26

00:01:11,190 --> 00:01:08,720

for vomit so we'll go do the test on the

27

00:01:13,350 --> 00:01:11,200

trash bag we know how to mix it up how

28

00:01:14,310 --> 00:01:13,360

to simulate uh what we're trying to do

29

00:01:15,990 --> 00:01:14,320

now did you look on the internet he's

30

00:01:18,550 --> 00:01:16,000

doing research is like look up has

31

00:01:19,990 --> 00:01:18,560

anyone ever mixed vomit before this was

32

00:01:22,230 --> 00:01:20,000

this recipe was actually found in

33

00:01:23,510 --> 00:01:22,240

medical research and so we got all the

34

00:01:24,950 --> 00:01:23,520

ingredients that we have that we're

35

00:01:26,469 --> 00:01:24,960

playing with today but what we didn't

36

00:01:28,230 --> 00:01:26,479

get like bobby said was the actual

37

00:01:29,749 --> 00:01:28,240

measurements is what we're trying to do

38

00:01:31,910 --> 00:01:29,759

is take those ingredients and come up

39

00:01:33,749 --> 00:01:31,920

with the right ratio for what we want

40

00:01:34,950 --> 00:01:33,759

our volunteers and for the reason it's

41

00:01:36,710 --> 00:01:34,960

important for you is that if someone

42

00:01:38,789 --> 00:01:36,720

gets sick in space i mean it's a serious

43

00:01:41,030 --> 00:01:38,799

business because if someone gets sick in

44

00:01:43,590 --> 00:01:41,040

space it's a problem right exactly we're

45

00:01:45,270 --> 00:01:43,600

looking at future spacecrafts that we're

46

00:01:47,030 --> 00:01:45,280

not going to have the room to separate

47

00:01:48,710 --> 00:01:47,040

wet trash and dry trash we're not going

48

00:01:50,149 --> 00:01:48,720

to have venting on those vehicles that's

49

00:01:51,910 --> 00:01:50,159

going to allow that to take the odors

50

00:01:53,749 --> 00:01:51,920

away and so we need to be able to

51
00:01:55,830 --> 00:01:53,759
contain those odors and make sure that

52
00:01:57,830 --> 00:01:55,840
the bags and things that we select will

53
00:02:00,310 --> 00:01:57,840
hold those odors to keep the environment

54
00:02:01,510 --> 00:02:00,320
for the astronauts safe and and not so

55
00:02:02,469 --> 00:02:01,520
smelly let's see what they're doing can

56
00:02:03,270 --> 00:02:02,479
we can we bother them or we don't want

57
00:02:04,630 --> 00:02:03,280
to we don't know what we're doing is

58
00:02:07,270 --> 00:02:04,640
we're doing the food part of the mixture

59
00:02:08,949 --> 00:02:07,280
we haven't even distracted them yet

60
00:02:12,470 --> 00:02:08,959
we basically have some pureed cottage

61
00:02:15,110 --> 00:02:12,480
cheese some tomato soup some apple juice

62
00:02:17,270 --> 00:02:15,120
some soy sauce and then some uh chopped

63
00:02:19,990 --> 00:02:17,280

up mixed frozen mixed vegetables oh my

64

00:02:20,949 --> 00:02:20,000

goodness so those little food products

65

00:02:22,869 --> 00:02:20,959

that

66

00:02:24,869 --> 00:02:22,879

we're in the medical research and so

67

00:02:26,949 --> 00:02:24,879

we're getting the consistency just about

68

00:02:28,550 --> 00:02:26,959

right here at which point then we'll add

69

00:02:30,470 --> 00:02:28,560

some chemicals

70

00:02:33,030 --> 00:02:30,480

so this is your okay so that that you're

71

00:02:34,630 --> 00:02:33,040

mixing up the consistency of the vomit

72

00:02:35,670 --> 00:02:34,640

and then

73

00:02:37,350 --> 00:02:35,680

can we talk to you guys you're

74

00:02:39,670 --> 00:02:37,360

concentrating

75

00:02:41,110 --> 00:02:39,680

can we can you guys talk yeah i think

76

00:02:44,150 --> 00:02:41,120
about it

77

00:02:45,589 --> 00:02:44,160
so you can see kind of look at that

78

00:02:46,550 --> 00:02:45,599
so you've got a lot of education a lot

79

00:02:48,229 --> 00:02:46,560
of experience did you ever think you'd

80

00:02:49,509 --> 00:02:48,239
be mixing up vomit

81

00:02:51,430 --> 00:02:49,519
they never prepared you for this when

82

00:02:53,509 --> 00:02:51,440
you're before this is a there's a first

83

00:02:55,190 --> 00:02:53,519
okay we normally deal with urine here in

84

00:02:56,949 --> 00:02:55,200
this laboratory nobody deal with urine

85

00:02:58,470 --> 00:02:56,959
is that your specialty

86

00:03:00,309 --> 00:02:58,480
okay all right so now what's next so now

87

00:03:04,309 --> 00:03:00,319
you gotta get the stink in there

88

00:03:05,830 --> 00:03:04,319

what we need these guys to look at yeah

89

00:03:07,430 --> 00:03:05,840

i think it looks really good

90

00:03:09,430 --> 00:03:07,440

how do you know like what do you i mean

91

00:03:10,790 --> 00:03:09,440

you're going from experience experience

92

00:03:11,750 --> 00:03:10,800

really is there i mean you're fresh out

93

00:03:12,470 --> 00:03:11,760

of college

94

00:03:13,670 --> 00:03:12,480

yeah

95

00:03:15,430 --> 00:03:13,680

is that what you think

96

00:03:17,430 --> 00:03:15,440

we need some college kids yeah we're

97

00:03:19,509 --> 00:03:17,440

getting inside of that look at that so

98

00:03:21,110 --> 00:03:19,519

that's oh my gosh i'm getting sick just

99

00:03:23,350 --> 00:03:21,120

looking at it

100

00:03:24,309 --> 00:03:23,360

anything he's too runny oh wait he's

101
00:03:26,070 --> 00:03:24,319
over here i don't know if there's

102
00:03:29,750 --> 00:03:26,080
someone up lately yeah

103
00:03:34,309 --> 00:03:32,630
no i mean vomit is quite right yeah this

104
00:03:35,509 --> 00:03:34,319
looks good yeah

105
00:03:38,470 --> 00:03:35,519
there it is

106
00:03:39,750 --> 00:03:38,480
so now what now we will add the the

107
00:03:44,630 --> 00:03:39,760
flavoring

108
00:03:45,589 --> 00:03:44,640
too bad we can't get into the hood

109
00:03:47,589 --> 00:03:45,599
you're gonna do it under the hood and

110
00:03:49,430 --> 00:03:47,599
what are you gonna use for smell

111
00:03:52,710 --> 00:03:49,440
well uh the recipe that was giving us

112
00:03:54,550 --> 00:03:52,720
was two chemicals um isobularic acid and

113
00:03:56,470 --> 00:03:54,560

keterick acid we're using one percent

114

00:03:57,750 --> 00:03:56,480

solution of those

115

00:03:59,429 --> 00:03:57,760

and um

116

00:04:00,949 --> 00:03:59,439

we're just gonna add drop it dropper

117

00:04:01,990 --> 00:04:00,959

wise until we think that it's about

118

00:04:05,110 --> 00:04:02,000

right

119

00:04:06,309 --> 00:04:05,120

it's pretty fun

120

00:04:08,309 --> 00:04:06,319

so what's going on we're under what did

121

00:04:10,710 --> 00:04:08,319

you call the signal hood

122

00:04:13,110 --> 00:04:10,720

the van hood the vent hood and that's to

123

00:04:14,550 --> 00:04:13,120

take away the stink

124

00:04:15,750 --> 00:04:14,560

not to take it away but not to let it

125

00:04:17,590 --> 00:04:15,760

out until not to lay it out so we don't

126

00:04:19,189 --> 00:04:17,600

have to smell it exactly

127

00:04:20,550 --> 00:04:19,199

i can smell it

128

00:04:23,510 --> 00:04:20,560

and you put you put the chemicals in

129

00:04:24,550 --> 00:04:23,520

already one drop one drop of each one uh

130

00:04:25,909 --> 00:04:24,560

it's already in there they're mixed

131

00:04:27,670 --> 00:04:25,919

together already all right and does it

132

00:04:29,270 --> 00:04:27,680

does it

133

00:04:33,990 --> 00:04:29,280

step in a little closer am i allowed to

134

00:04:38,390 --> 00:04:36,230

yeah you know i have a very i have a big

135

00:04:40,150 --> 00:04:38,400

italian nose

136

00:04:41,350 --> 00:04:40,160

see that you can see it in profile i

137

00:04:42,870 --> 00:04:41,360

don't know if that is that showing up on

138

00:04:45,030 --> 00:04:42,880

the camera help me out here

139

00:04:46,710 --> 00:04:45,040

no you got no you got that what yeah

140

00:04:48,150 --> 00:04:46,720

hold that thing for a second and focus

141

00:04:49,670 --> 00:04:48,160

in on my nose

142

00:04:50,390 --> 00:04:49,680

because i think i might be of value to

143

00:04:54,870 --> 00:04:50,400

you

144

00:04:56,950 --> 00:04:54,880

around here in texas see that nose

145

00:04:58,150 --> 00:04:56,960

you getting on there uh let's see i hit

146

00:04:59,590 --> 00:04:58,160

something

147

00:05:00,950 --> 00:04:59,600

what did you say i got it i got it i got

148

00:05:02,790 --> 00:05:00,960

it it's not that complicated you're like

149

00:05:04,070 --> 00:05:02,800

a genius chemist you can't i can't see

150

00:05:05,590 --> 00:05:04,080

the no you can't see anything yes sir

151
00:05:06,870 --> 00:05:05,600
all right see now you don't have a nose

152
00:05:08,150 --> 00:05:06,880
you don't get too many noses like that

153
00:05:09,590 --> 00:05:08,160
around here in texas you got to go to

154
00:05:11,189 --> 00:05:09,600
new york brooklyn is where that we have

155
00:05:13,270 --> 00:05:11,199
specialty which brooklyn is one of their

156
00:05:14,629 --> 00:05:13,280
major exports of these kind of noses my

157
00:05:16,150 --> 00:05:14,639
mom can pick this up from her house in

158
00:05:17,350 --> 00:05:16,160
brooklyn if you want to see what i'm

159
00:05:19,029 --> 00:05:17,360
telling you she could she can pick up

160
00:05:20,230 --> 00:05:19,039
she picks this up she's smelling

161
00:05:21,749 --> 00:05:20,240
something coming from new jersey and

162
00:05:23,270 --> 00:05:21,759
we're in you know like it's coming over

163
00:05:25,990 --> 00:05:23,280

the bridge i'm sure that you have a

164

00:05:27,189 --> 00:05:26,000

vomit bag here in case you

165

00:05:28,950 --> 00:05:27,199

this is the violent this is what you're

166

00:05:30,790 --> 00:05:28,960

going to have in space i don't want this

167

00:05:33,590 --> 00:05:30,800

in space man neither

168

00:05:45,510 --> 00:05:36,070

chuck the yuck

169

00:05:49,510 --> 00:05:47,590

well that those are designer pregnancy

170

00:05:50,710 --> 00:05:49,520

ones do you know what they are yeah

171

00:05:51,990 --> 00:05:50,720

okay you don't want to put your nose

172

00:05:54,070 --> 00:05:52,000

directly over this so you're going to

173

00:05:55,830 --> 00:05:54,080

hold one hand not big your zip lock is

174

00:05:57,510 --> 00:05:55,840

more frozen

175

00:05:59,029 --> 00:05:57,520

yeah i'm sorry go ahead you got to just

176
00:06:00,309 --> 00:05:59,039
take your hand over and wave and you

177
00:06:01,909 --> 00:06:00,319
bring the smell i'm going to leave it

178
00:06:03,590 --> 00:06:01,919
there though yes

179
00:06:05,029 --> 00:06:03,600
this is like the guys with the wine you

180
00:06:06,469 --> 00:06:05,039
see those guys with the wine somebody

181
00:06:08,230 --> 00:06:06,479
did you fall asleep with the camera no

182
00:06:09,990 --> 00:06:08,240
point okay just like you guys don't want

183
00:06:11,670 --> 00:06:10,000
to tell you to smell it and everything

184
00:06:12,710 --> 00:06:11,680
am i holding up the process here no no

185
00:06:21,029 --> 00:06:12,720
you guys got it

186
00:06:24,550 --> 00:06:22,230
i don't smell anything you know what it

187
00:06:25,749 --> 00:06:24,560
is it's the smell of the gloves you get

188
00:06:27,430 --> 00:06:25,759

the rubber smell of the gloves and you

189

00:06:45,510 --> 00:06:27,440

can i don't know what am i trying to say

190

00:06:45,520 --> 00:06:58,710

did you smell it let me try

191

00:06:58,720 --> 00:07:10,870

smells like tomato soup

192

00:07:10,880 --> 00:07:15,990

you gonna make it stinkier yeah

193

00:07:19,589 --> 00:07:17,589

one has puked yet so i think you got a

194

00:07:20,790 --> 00:07:19,599

little ways to go that's 10.

195

00:07:24,390 --> 00:07:20,800

i think you'll know when you have 10

196

00:07:28,309 --> 00:07:26,710

so what did you do

197

00:07:30,150 --> 00:07:28,319

a lot more of what

198

00:07:32,230 --> 00:07:30,160

yeah so you really think this smells

199

00:07:34,309 --> 00:07:32,240

like vomit now before it was just like

200

00:07:36,629 --> 00:07:34,319

little baby stuff now this is some

201
00:07:37,749 --> 00:07:36,639
serious vomit we got here it smells like

202
00:07:44,710 --> 00:07:37,759
so may i

203
00:07:48,550 --> 00:07:46,790
yeah okay i think you got it

204
00:07:49,270 --> 00:07:48,560
congratulations

205
00:07:53,270 --> 00:07:49,280
so

206
00:07:53,280 --> 00:07:56,070
would you like

207
00:08:02,710 --> 00:07:57,350
i think you probably i think you could

208
00:08:05,589 --> 00:08:04,469
another breakthrough for our nation

209
00:08:08,710 --> 00:08:05,599
space