

Materials List for:

Creating Dynamic Images of Short-lived Dopamine Fluctuations with Ip-ntPET: Dopamine Movies of Cigarette Smoking

Evan D. Morris^{1,2,3,4}, Su Jin Kim^{1,3}, Jenna M. Sullivan^{1,3,4}, Shuo Wang^{3,4}, Marc D. Normandin⁵, Cristian C. Constantinescu⁶, Kelly P. Cosgrove^{1,2,3}

¹Diagnostic Radiology, Yale University

²Psychiatry, Yale University

³Yale PET Center, Yale University

⁴Biomedical Engineering, Yale University

⁵Nuclear Medicine, Massachusetts General Hospital

⁶Radiological Sciences, University of California, Irvine

Correspondence to: Evan D. Morris at evan.morris@yale.edu

URL: <https://www.jove.com/video/50358>

DOI: [doi:10.3791/50358](https://doi.org/10.3791/50358)

Materials

Name	Company	Catalog Number	Comments
Vicra	NDI Systems, Waterloo, Canada		
HRRT	Siemens		
Air Filter	Movex, Inc, Northampton, PA	LFK 175	With extractor and clear hood
¹¹ C-raclopride			prepared at Yale PET Center from O-Desmethyl precursor
O-Desmethylraclopride	ABX advanced biochemical compounds, Radeberg, Germany	Product #1510	Precursor of ¹¹ C-raclopride

Table 1. Materials used.