



Mar 03, 2022

TH Densitometry

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dx.doi.org/10.17504/protocols.io.b5u4q6yw **Haley Geertsma**
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This protocol is used to quantify the density of dopaminergic projections to the striatum.

DOI

dx.doi.org/10.17504/protocols.io.b5u4q6yw

Haley Geertsma 2022. TH Densitometry. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.b5u4q6yw>



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- 1 Take 4 cryosections to equally sample the striatum and perform diaminobenzidine staining with a tyrosine hydroxylase antibody.
Note: I take every 12th section from Bregma 1.18mm to -0.22mm
- 2 Capture brightfield images of the dorsolateral striatum and convert to greyscale images.
- 3 Take 20 intensity measurements of the striatum and 5 intensity measurements of the corpus callosum (to account for background staining).

Average the corpus callosum intensities then subtract that from the striatal intensities then

4 average the normalized striatal intensities.