	Dissection and fixation of murine colonic tissue for myenteric plexus visualization  Dante Heredia <sup>1</sup> , Terence Smith <sup>1</sup> <sup>1</sup> University of Nevada Reno, School of Medicine  dx.doi.org/10.17504/protocols.io.xz6fp9e
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ABSTRA	ACT
Protoc	col for harvest of colonic intestinal tissue, with the intent of imaging the myenteric plexus.
PROTO(	COLSTATUS
<b>Worki</b> We use	ng e this protocol in our group and it is working
Zambo	IALS TEXT oni fixative can be purchased commercially or 1.5% picric acid and 2% paraformaldehyde in 0.1N PBS. nount mounting media is commercially available
SAFETY	WARNINGS
Fixativ	es can be toxic. Exercise proper use of PPE when handling.
Pre	ORE STARTING pare Zamboni Fixative pare Krebs-Ringers Solution
1	A ventral midline incision is made and the whole colon is carefully excised into a Sylguard lined dissection dish.
2	Cut along the mesenteric border until the colonic tube is now a rectanular in shape.
3	Pin the colon at 110% of length and width mucosa side up. Gently remove the mucosal layer. Re-pin in a new Sylguard lined dish at 100% ensuring tissue is taught but not stretched.
4	Fix tissue using ice cold Zamboni fixative for 15 minutes.
5	Remove tissue from dish and wash 3 times in PBS for 15 minutes each wash.

glass cover slip.

Image sample.

Cut tissue into 3 sections; oral, middle and anal (in order to fit on slide) and mount on glass slide using Aquamount mounting media and a

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