

05. (May) 2019

Project: iGEM_Munich2019 Shared Project

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two wells of the 6 well plate were used for RNA extraction with RNeasy Mini Plus Kit and RNeasy Mini Kit from Qiagen
1 volume = 350 µl
followed manufacturers protocols

Gel run

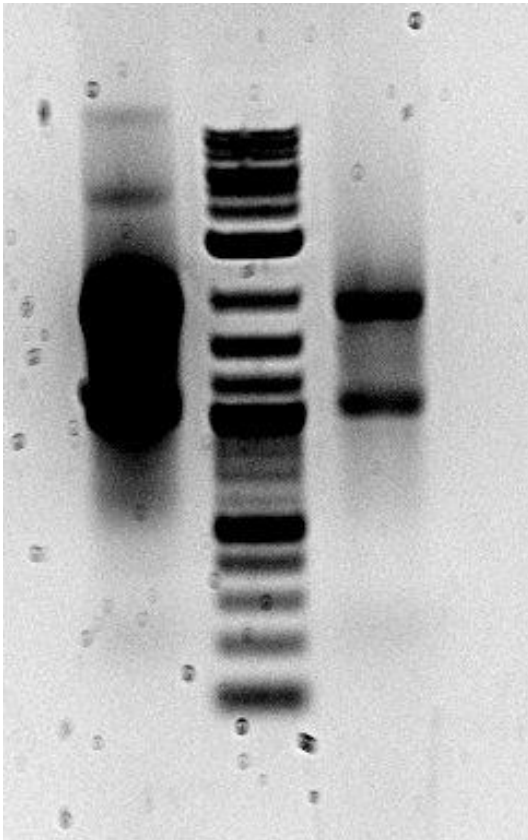
1% Agarose gel (50 ml 1xTAE + 0.5 g Agarose) + 5 µl Sybr Dye (1:10.000)
6x Loading Dye (purple) was diluted 1:6 with sample
10 µl sample and 5 µl 1 kb Plus DNA Ladder were loaded
Run: 150 V, 25 min

Nanodrop Measurement:

Mini Kit 420 ng/µl -> contamination at 230 nm, could be EtOH

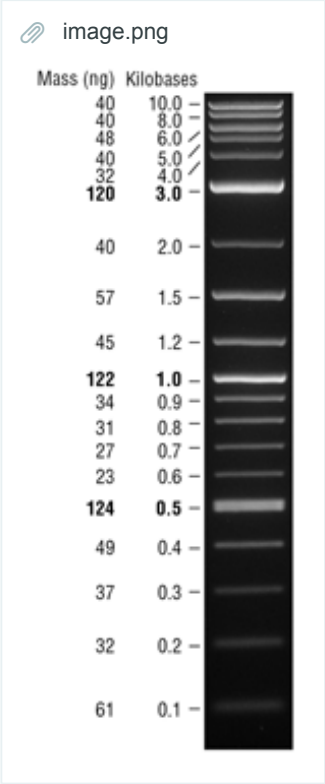
Mini Plus Kit 103.5 ng/µl -> contamination at 230 nm, could be EtOH

RNA_28.05.19.jpg



left side of the ladder: Mini Kit, shows possible DNA contamination, concentration too high !!

right side of the ladder: Mini Plus Kit -> yield lower but no contamination can be seen



NEB 1 kb Plus Purple DNA ladder

Medium exchange of the 4 wells left of the 6 well plate to FBS free medium for exosome precipitation