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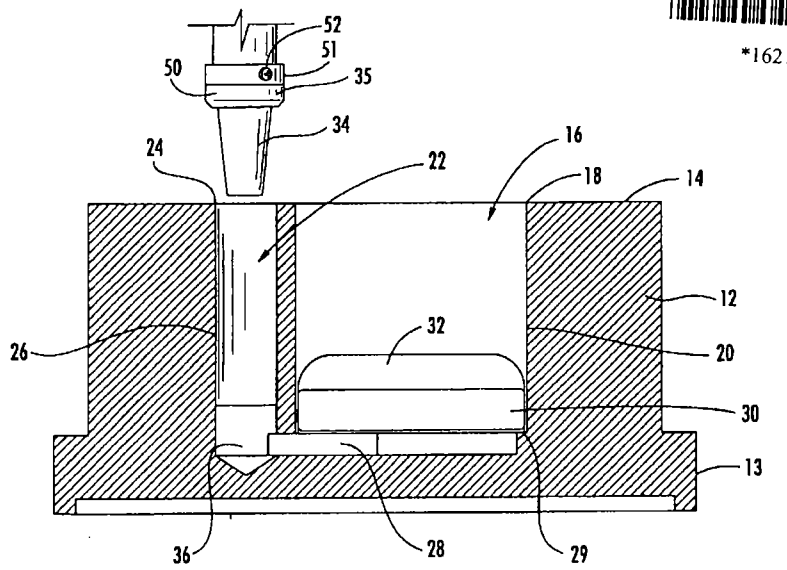
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(54) Title: PLATE AND METHOD FOR HIGH THROUGHPUT SCREENING



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(57) Abstract: A multiple well plate and method for media exchange, including a body defining a plurality of cell wells each connected via a channel to one of a plurality of aspiration holes, is provided. The cell wells contain a porous, hydrophilic frit which is suspended on a ledge above a reservoir of fluid media and supports a tissue sample. The properties of the frit wick the fluid media upwards to supply the tissue sample with nutrients for growth and proliferation. Old media is aspirated from the wells by a liquid handling device which inserts a pipette tip into the aspiration holes. The pipette tip applies a suction pressure which draws the media out of the cell well, through the channel, into the aspiration hole and out through the pipette tip. New media is dispersed through the pipette tip and directly into the cell well.

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ACTION

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