Table S1: Green tape slurry composition and particle size of main constituent

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| Green Tape Layer | Composition | Particle size (µm) |
| Anode Green Tape Slurry | 63.3 wt% Nickel Oxide (NiO) - Gadolinium doped ceria (20%Gd)(Ce0.8Gd0.2O2-δ)(GDC)(60wt%NiO–40wt%GDC); 14.22 wt% Xylenes; 14.22 wt% Ethyl Alcohol (95%); 4.11 wt% Polyvinyl Butyral B-98; 1.44 wt% Triethyleneglycol bis(2-ethyl hexanoate); 1.44 wt% Polyalkylene Glycol; 1.27 wt% Hypermer KD 1 | 0.3 |
| Electrolyte Green Tape Slurry | 62.13 wt% GDC (20%Gd); 14.61 wt% Xylenes; 14.61 wt% Ethyl Alcohol (95%); 4.35 wt% Polyvinyl Butyral B-98; 1.53 wt% Triethyleneglycol bis(2-ethyl hexanoate); 1.53 wt% Polyalkylene Glycol; 1.24 wt% Hypermer KD-1 | 0.3 |
| Cathode Green Tape Slurry | 62.13 wt% lanthanum strontium cobalt ferrite (La0.6Sr0.4Co0.2Fe0.8O3-δ)(LSCF)-GDC(20%Gd) 50wt%LSCF–50wt%GDC); 14.62 wt% Xylenes; 14.62 wt% Ethyl Alcohol (95%); 4.35 wt% Polyvinyl Butyral B-98; 1.52 wt% Triethyleneglycol bis(2-ethyl hexanoate); 1.52 wt% Polyalkylene Glycol; 1.24 wt% Hypermer KD-1 | 1 |